

(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number: **03048680 A**(43) Date of publication of application: **01.03.91**

(51) Int. Cl.

**C07D401/12**  
**A61K 31/44**
(21) Application number: **01186331**(22) Date of filing: **18.07.89**

(71) Applicant:

**YOSHITOMI PHARMACEUT IND**  
**LTD**

(72) Inventor:

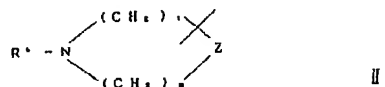
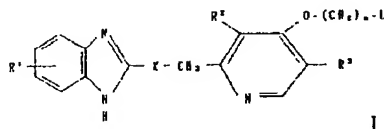
**KAWAKITA TAKESHI**  
**SANO MITSU HARU**  
**IKEDA TAKASHI**  
**IWAO EIJI**
(54) **ANTIMICROBIAL AGENT**

(57) Abstract:

PURPOSE: To obtain an antimicrobial agent containing a compound such as 2-[3-methyl-4-(1-methyl-2-piperidyl)methoxy-2-pyridyl]methylthio-1H-benzimidazole as an active ingredient and effective against a bacterium belonging to the genus *Campylobacter*.

CONSTITUTION: The antimicrobial agent containing a compound expressed by formula I [ $R^1$  is H, halogen, alkyl, alkoxy, etc.; X is S, SO or  $SO_2$ ;  $R^2$  and  $R^3$  are H, halogen or alkyl; (n) is 0 or 1-8; L is  $N(R^4)R^5$  ( $R^4$  and  $R^5$  are H, alkyl, phenyl, aralkyl, etc., or  $R^4$  and  $R^5$  form heterocycle together with adjacent N), formula II ( $R^6$  is H, alkyl, etc.; Z is methylene, O or S; (l) and (m) are 0-3), etc.] or pharmaceutically permeable salt thereof. The antimicrobial agent is especially effective against a bacterium belonging to the genus *Campylobacter* which is a gram-negative and slightly aerobic bacterium.

COPYRIGHT: (C)1991,JPO&amp;Japio


**BEST AVAILABLE COPY**